

## PERSONAL INFORMATION

## George Choumos

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## WORK EXPERIENCE

### Jan 21 - Now **Research Data Scientist – National Observatory of Athens**

- Institute for Astronomy, Astrophysics, Space Applications and Remote Sensing
- Member of the Beyond Earth Observation Center of Excellence
- Research on the applications of Machine Learning and of Deep Neural Networks for the monitoring of the European Union's Common Agricultural Monitoring
- Exploitation and fusion of heterogeneous big data sources (satellites, UAVs/drones, geotagged images etc)
- Research Interests: Machine Learning, Deep Learning, Space Surveillance and Tracking, Space Security

### Jan 19 - Dec 20 **Senior Software Engineer L3 – SG Digital**

(2y)

- Development Team member for William Hill and SkyBet, Sports and Gaming Divisions
- TechOps stream leader for William Hill – Managing a team of 7
- Focusing on DevOps, Continuous Integration/Delivery, Code Management, Infrastructure and Deployment/Release related projects
- Introducing Machine Learning proof of concept projects for company-wide adoption
- Involved in the recruitment process
- Line management, team-wide training and mentoring
- Perform senior code reviews
- Handle performance related planning ahead of major events like the Grand National races
- Toolset: Git, Docker, Python, Bash, Jenkins, JIRA, BitBucket Stash, Maven, SQL (IBM Informix)

### Jul 15 - Dec 18 **Software Engineer L2 – SG Digital**

(3y 5m)

*1y army service*

- Development Team member for William Hill and Stream Leader for TechOps
- Agile (SCRUM/Kanban) software development – Involved in the full life-cycle
- Toolset: Git, Docker, Python, Bash, Jenkins, JIRA, BitBucket Stash, TCL, Maven, SQL (IBM Informix)

### Nov 13 - Jun 15 **Junior Software Developer – SG Digital**

(1y 8m)

- Pari Mutuel Urbain (PMU.fr) Development Team member
- Full-Stack Software Development
- Business analysis tasks and requirements engineering for new projects involving cooperation between various product and test teams
- Agile (SCRUM) software development – involved in the full life-cycle
- Toolset: TCL, SQL (IBM Informix), Javascript, jQuery, HTML, CSS, PHP (Drupal context), JIRA, CVS, Bash

### Feb 16 - Oct 16 **Software Engineer – Ministry of Defense – Hellenic Army IT Support Center**

(8m)

As part of my service in the military I was a Software Engineer in the Ministry of Defense. In the context of this position I had been working daily on projects of System Administration, Web and Application Development.

### Oct 12 - Sep 13 **Internet Solutions Specialist – Vodafone Greece**

(1y)

Member of Vodafone's Team Internet at the first concept store called “*Destination Store*” in the world. Our main focuses were the New Technologies and Troubleshooting.

### Sep 07 - Aug 11 **Administration Executive and Tech Support – AEldromon Education Academy**

(4y)

Handled the academy's DB, payment processing, technical support and day to day administration tasks as defined by the Organization of Standardization TUV HELLAS (ISO 9001).

## EDUCATION AND TRAINING

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Sep 19 – Sep 21 (expected) **M.Sc. in Space Technologies, Applications and Services**

**University of Athens**

- The curriculum is an aggregation of **Aeronautical/Astronautical Space, Engineering, Space Missions Design, Astrophysics, Space Weather, Remote Sensing, Rocket Science and Machine Learning**
- **Space Downstream path** - Putting more focus in Space Applications and Services

Sep 16 – Jul 18

**M.Sc. in Data Science**

**Athens University of Economics and Business**

The curriculum was an aggregation of **Machine Learning, Statistics, Data Visualization and Programming**. Some of the related projects are included in the repositories shared in the "Personal Information" section.

Oct 08 – Sep 15

**B.Sc. in Computer Science and Telecommunications**

**University of Athens**

During my studies I chose programming-oriented courses with the languages used mainly being C, C++ and MySQL among many others.

Oct 06 – Sep 07

**Business Administration**

**Athens University of Economics and Business**

I attended courses for the first 2 semesters. My strong interest in Computer Science was the reason why I took the decision to completely change scientific domain.

## PERSONAL SKILLS

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**Languages** **English** – *Full professional proficiency*

- Certificate of Proficiency in English (C2 level).
- English is the language used daily in the context of my roles since 2013.

**French** – *Elementary proficiency*

**Other Computer skills** Fluent Unix-based OS user.

Great understanding in Computer Hardware.

## VOLUNTEERING

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**2014-2015** **Teaching Assistant** – *Master Classes for Gifted Children* – Hellenic Mensa

- Creating content and structuring weekly courses of Computer Science and Programming.
- Coaching student group projects.

## AWARDS

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**Jun 2020** **Go the Extra Mile (GEM)** – Scientific Games Digital

Nominated by colleagues for the implementation of the "Guru Detector", a Machine Learning application that works as a search engine and suggests team-specific "Gurus" that are able to answer the question that is given as an input.

**Aug 2019** **Make Us Better Award (MUBA)** – Scientific Games Digital

For developing and introducing a knowledge management application that uses Machine Learning based on the Company's JIRA project information in order to identify/predict Subject Matter Experts for any given subject.